

BMP Implementation Trend Analysis: April 2005



BMP Implementation is a measure of the attempt to implement best management practices to the standards described in VDOF technical guidance. The question asked is: Were all necessary best management practices applied to technical specifications as expressed in the Virginia Department of Forestry BMP manual (yes or no)?

Implementation of all necessary best management practices, to the standards described in VDOF technical guidance, yields a positive evaluation (yes) in this category. Only those BMP necessary for the site under consideration need be applied to VDOF standards in order to receive a positive (yes) evaluation.

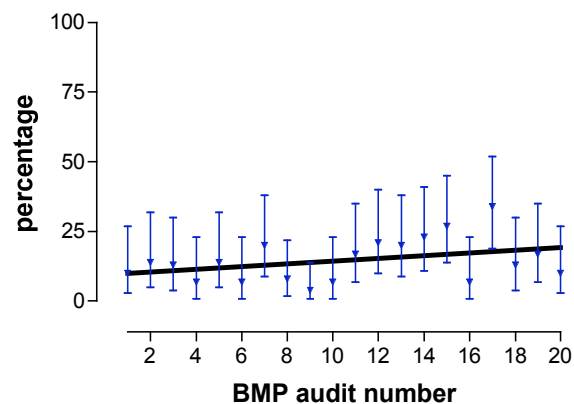
The table below lists the percentage of sampled sites that received a positive evaluation (yes) in the BMP implementation category. These data and confidence intervals are plotted on the graph. The black trend line shows that BMP implementation has increased over time. With the addition of data from November 2004, this trend line's departure from a 0 slope is not statistically significant.¹

BMP Implementation Trend: $r^2 = 0.1373$, deviation of the regression line from 0 slope is not statistically significant.

BMP Implementation Trend

Date	Percentage	Upper 95% CI	Lower 95% CI
Nov-93	10%	27%	3%
Jun-94	14%	32%	5%
Nov-94	13%	30%	5%
Jun-95	7%	23%	1%
Dec-95	14%	32%	5%
Jun-96	7%	23%	1%
Nov-96	20%	38%	9%
Jun-97	8%	22%	2%
Nov-98	4%	13%	0%
Oct-99	7%	23%	1%
Jun-00	17%	35%	7%
Nov-00	21%	40%	10%
Jul-01	20%	38%	9%
Nov-01	23%	41%	12%
Jun-02	27%	45%	14%
Nov-02	7%	23%	1%
Jun-03	34%	53%	20%
Nov-03	13%	30%	5%
Jun-04	17%	34%	7%
Nov-04	10%	27%	3%

**BMP Implementation
Time Series data**



¹ A linear regression of these data yields an upward sloping trend as represented by the black line. The linear regression is not statistically significant. This means that the slope upward of the regression line is statistically no different than a line with a zero slope.